

Figure 1A



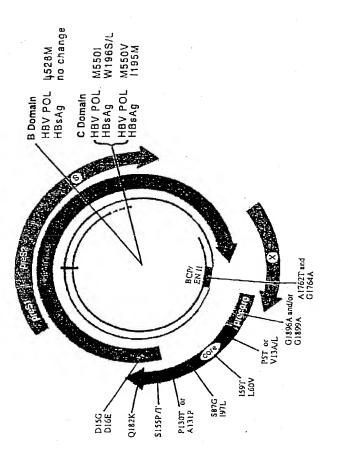


Figure 1B



430 440 450 (421)438 SNDLSWLSLD VSAAFYHIPPL HPAAMPHLLIV GSSGLPSRYVA Domain A 480 470 490 460 464 466 477 488  $\mathtt{RLSST}_{\mathbf{N}}\mathtt{SR}_{\mathbf{N}}\mathtt{NI} \star \mathtt{N} \ \mathtt{n}_{\mathtt{Y}_{\mathbf{H}}} \mathtt{Q}_{\mathtt{H}} \mathtt{G}_{\mathtt{R}} \star \star \star \mathtt{p}_{\mathbf{N}} \mathtt{LH} \ \mathtt{p}_{\mathtt{N}} \mathtt{Y}_{\mathtt{S}} \mathtt{CSR} \mathtt{p}_{\mathtt{Q}} \mathtt{LYVS} \ \mathtt{LL}_{\mathtt{M}} \mathtt{LL} \mathtt{Y} \mathtt{K}_{\mathtt{Q}} \mathtt{T}_{\mathtt{F}} \mathtt{GR}_{\mathtt{W}}$ 500 520 519 523/524/526/528/530 KLHLYLSAHPIIV LGFRKILPMGVG GLSPFLLAQF TSAICLSAVMVTRCR Domain B W1995 W196L 540 550 553 559  $\mathrm{AFF}_{\mathtt{P}} \mathtt{HCL}_{\mathtt{V}} \mathtt{A}_{\mathtt{V}} \mathtt{Fs}_{\mathtt{A}} \mathtt{Y} \underline{\hspace{0.1cm}} \mathtt{MDD} \mathtt{v}_{\mathtt{L}_{\mathtt{M}}} \mathtt{VLGA} \mathtt{k}_{\mathtt{R}} \mathtt{s}_{\mathtt{T}} \underline{\hspace{0.1cm}} \mathtt{v}_{\mathtt{G}} \mathtt{Q}_{\mathtt{E}} \mathtt{HL} \mathtt{s}_{\mathtt{R}} \mathtt{Es}_{\mathtt{F}} \mathtt{LY}_{\mathtt{F}} \mathtt{T}_{\mathtt{A}} \mathtt{s}_{\mathtt{A}}$ Domain C 580 570 590  ${^{\text{I}}}{_{\text{V}}}{^{\text{T}}}{_{\text{C}}}{^{\text{N}}}{_{\text{S}}}{^{\text{F}}}{_{\text{V}}}\text{LL}{^{\text{S}}}{_{\text{D}}}{^{\text{L}}}{_{\text{V}}}\text{GI HLNP}{^{\text{N}}}{_{\text{Q}}}\text{KTKRW GYSLNFMGYI}{_{\text{V}}}\text{I G}$ Domain D Domain E

Figure 2



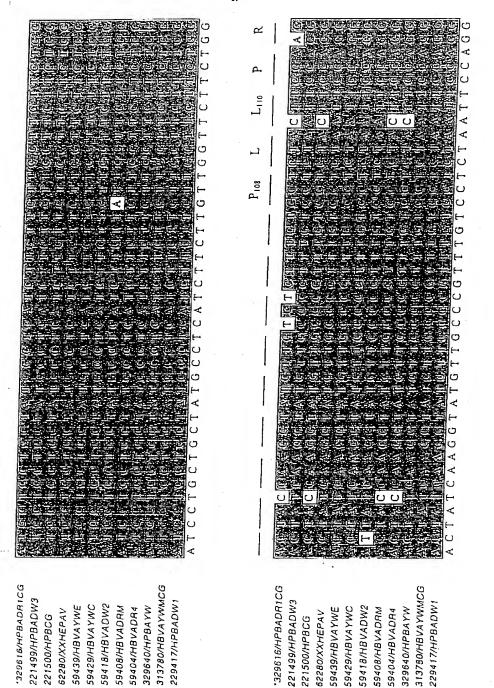
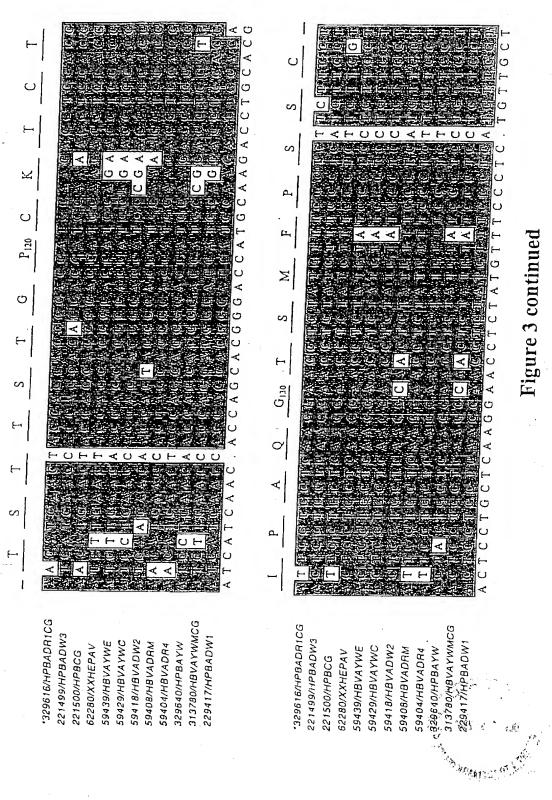
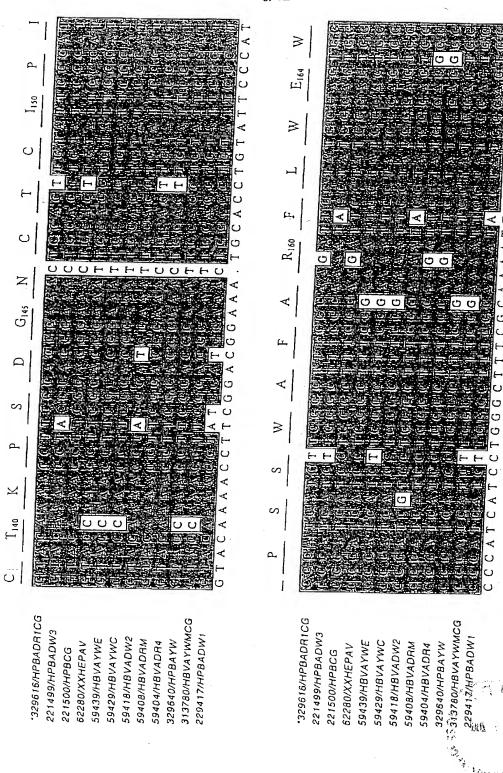


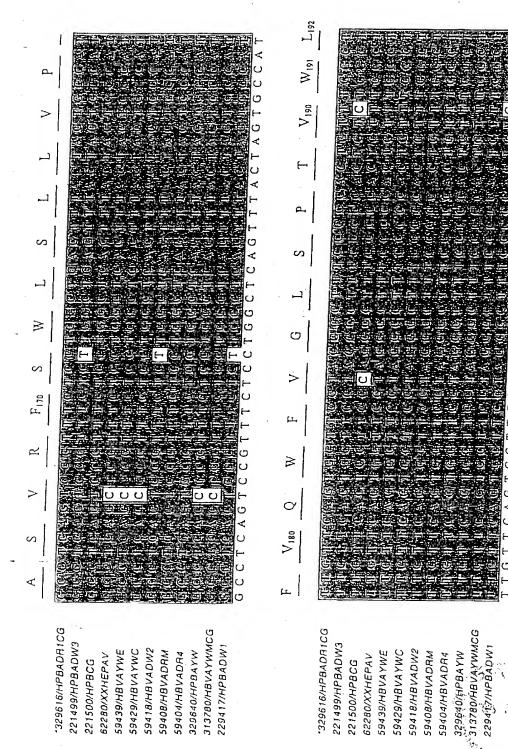
Figure 3

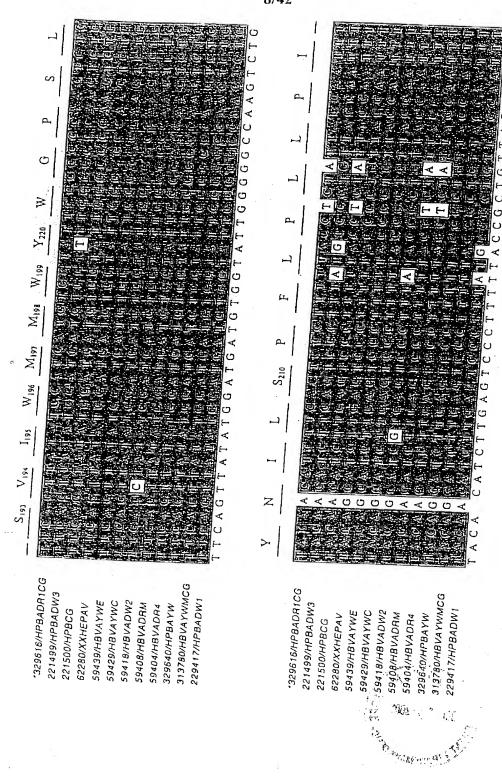
elik og jung sjære sjæreljulik i det elik og state og sta

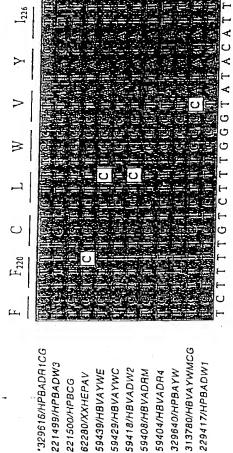


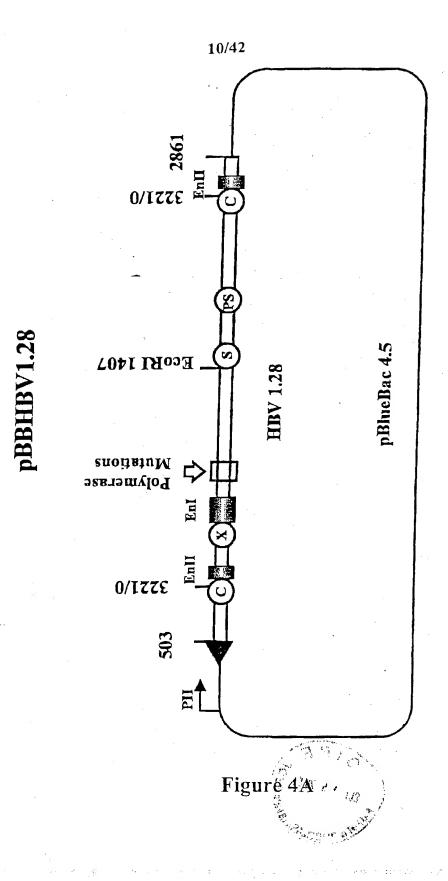
1000年間に 1000年間に

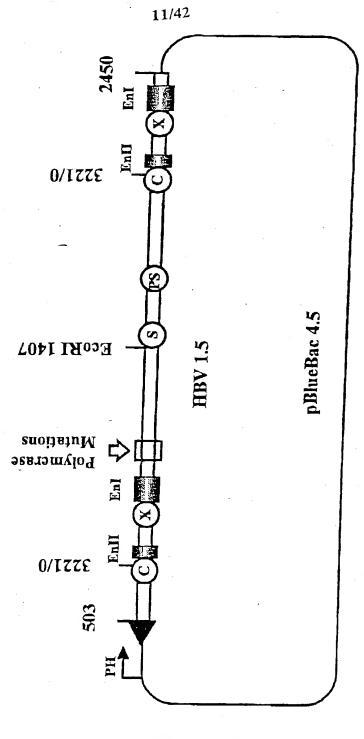












pBBHBV1.5

Figure 4B

Sequence Range: 1 to 4084

10 GGACGACCCCTCG	20 °CGGGGGCCGC1	30 FTGGGACTCTC	40 TCGTCCCCT	50 CTCCGTC
60	70	80	90	100
TGCCGTTCCAGCCC	SACCACGGGC	GCGCACCTCTC	TTTACGCGGT	CTCCCCG
110	120	130	140	150
TCTGTGCCTTCTCA				
	•			
_ 160	170	180	190	200
CGTTGCATGGAGAC	CACCGTGAA	CGCCCATCAG	ATCCTGCCCA	AGGTCTT
210	220	220	242	
ACATAAGAGGACTC		230 Caraare	240	250
MCMI PAGNOCAC I C	1100ACTCC	CAGCAATGICA	MCGACCGAC	LIIGAGG
260	270	280	290	300
CCTACTTCAAAGAC	TGTGTGTTT <i>I</i>	AAGGACTGGGA	GGAGCTGGG	
310	320	330	340	350
ATTAGGTTAAAGGT	_TTTTGTATTA	GGAGGCTGTA	.GGCATAAATI	GGTCTG:
360	370	380	390	400
CGCACCAGCACCATO				
				-100
410	420	430	440	450
ATGTCCCACTGTTCA	AGCCTCCAA	GCTGTGCCTT	GGGTGGCTTT	GGGGCA
460	470	4.5.0		
460 TGGACATTGACCCTT	470 ממממממממ	480 TTCC>CCT>CT	490 FCTCCNCTTN	500 CTCTCC
TOURCATIONCCCTT	AIAAAAAI	IIGGAGCIAC.	IGIGGAGIIA	LICICG
510	520	530	540	550
TTTTTGCCTTCTGAC	TTCTTTCCT	CCGTCAGAGA		
560	570	580	590	600
CTCAGCTCTGTATCG	AGAAGCCTTA	AGAGŢCTCCTC	SAGCATTGCTC	ACCTC
610	620	63.0	C4.5	
ACCATACTGCACTCAC		630 TCTCTGCTGC	640 CCCC	650
	J. C. M. I. OCCA I	1010100100	COGGNAT IGH	I GAC I
660	670	680	690	700
CTAGCTACCTGGGTGC	GTAATAATT	TGGAAGATCC	AGCATCCAGG	

### Figure 5A

710	720	730	740	750
AGTAGTCAATTA'	TGTTAATACTA	AACATGGGTT:	raaagatcag	GCAACTAT
760	770	780	790	800
TGTGGTTTCATA	PATCTTGCCT1	TACTTTTGGA <i>F</i>	GAGAGACTG	FACTTGAA
810	820	830	840	850
TATTTGGTCTCT	TTCGGAGTGTG	GATTCGCACT	CCTCCAGCC	CATAGACC
860		880	890	900
ACCAAATGCCCCT	CATCTTATCAA	CACTTCCGGA	AACTACTGTT	GTTAGAC
_			•	
910	920		940	950
GACGGGACCGAGG	CAGGTCCCCT	'AGAAGAAGAA	CTCCCTCGCC	TCGCAGA
960	970	980	990	1000
CGCAGATCTCAAT	'CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCA
			2040	
1010	1020	1030	1040	1050
ATGTTAGTATTCC	TIGGACTCATA	AAGGIGGAA	ACTITACGGG	GCITTAL
1060	1070	1080	1090	1100
TCCTCTACAGTAC				
ICCICIACAGIAC	CIAICIIIAA.	CCIGAAIGG	LAAACICCII	CCITICC
1110	1120	1130	1140	1150
TAAGATTCATTTA				
11010711101111111	C. 3. 10. 10 C. 1C. 1.			
1160	1170	1180	1190	1200
GCCCTCTCACTGT			ATTAATTAT	CCTGCT
1210	1220	1230	1240	1250
AGATTCTATCCTAC	CCACACTAAA	TATTTGCCCI	TAGACAAAG	AATTAA
1260	1270	1280	1290	1300
ACCTTATTATCCAC	SATCAGGTAGT	TAATCATTAC	TTCCAAACCA	GACATT
1310	1320	1330	1340	1350
ATTTACATACTCTT	TGGAAGGCTG	GTATTCTATA	TAAGAGGGAA	ACCACA
1360	1370	1380	1390	1400
CGTAGCGCATCATI	TTGCGGGTCA	CCATATTCTT	GGGAACAAGA	GCTACA
		•		
1410	1420	1430	1440	1450
GCATGGGAGGTTGG	TCATCAAAAC	CTCGCAAAGG	CATGGGGACG	AATCTT

### Figure 5A continued

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1460	1470	1480	1490	150
TCTGTTCCCA	ACCCTCTGGGAT	TCTTTCCCGA	TCATCAGTTG	GACCCTG
			1540	
ATTCGGAGCC	AACTCAAACAAT	CAGATTGGG	ACTICAACCC	LATCAAG
1560	1570	1580	1590	1600
	AGCAGCCAACCAC			
1610	1620	1630	1640	1650
CTCACCCCTC	CACACGGCGGTAT	TTTGGGGTG	GAGCCCTCAGG	CTCAGGG
- 1660	1670	1600	1.600	1700
1660	1670 ACAGTGTCAACAA		1690	
CATATIGACCA	CAGIGI CAACAA		LIGCCICCACC	AAICGGC
1710	1720	1730	1740	1750
AGTCAGGAAGG	CAGCCTACTCCC			
1760	1770			
CCTCAGGCCAT	GCAGTGGAATTC	CACTGCCTTC	CACCAAGCTC	rgcagga
1810	1820	1830	1840	1850
	GGGGTCTGTATC			
1860	1870	1880	1890	1900
CAGTAAACCCT	GCTCCGAATATTC	SCCTCTCACA	TCTCGTCAATC	TCCGCG
1010	1.020	1020	1040	1050
1910	1920 CCCTGTGACGAAC			1950
AGGAC I GGGGA	JECTOTORCOARC	AIGGAGAACA	AICACAICAGG	MIICCI
1960	1970	1980	1990	2000
AGGACCCCTGCT	rcgtgttacaggc	GGGGTTTTT	CTTGTTGACAA	GAATCC
2010	2020		2040	
TCACAATACCGC	CAGAGTCTAGACT	CGTGGTGGAC	TTCTCTCAAT	TTTCTA
2060	2070	2080	2090	2100
	GTGTGTCTTGGC			
2110	2120	2130	2140	2150
TCACTCACCAAC	CTCCTGTCCTCC	AATTTGTCCI	GGTTATCGCT	GGATGT
2160	2170			
GTCTGCGGCGTT	TTATCATATTCC	rcitcatcct	GCTGCTATGC	ETCATC

Figure 5A continued

2210	2220	2230	2240	2250
TTCTTATTGGTTC		ATCAAGGTATO	GTTGCCCGTT	rgtcctci
2260	2270			2300
AATTCCAGGATCA	ACAACAACC	AGTACGGGACC	CATGCAAAAC	TGCACGA
		0220	2240	2250
2310 CTCCTGCTCAAGG	2320		2340 CTTCCTCTAC	2350 מאמי
CTCCTGCTCAAGG	CAACICIAI	JITICCLICAL	GIIGCIGIAC	WWWCCI
2360	2370	2380	2390	2400
ACGGATGGAAATT				CTTTCGC
_				
2410		2430		2450
AAAATACCTATGG	GAGTGGGCCT	CAGTCCGTTT	CTCTTGGCTC	AGTTTAC
	0.450	2420	2490	2500
2460 TAGTGCCATTTGTT	2470			
TAGTGCCATTIGT	LCAGIGGIIC	.GIAGGGCIII	CCCCCACIGI	1100011
2510	2520	2530	2540	2550
TCAGCTATATGGAT	GATGTGGTA	TTGGGGGCCA	AGTCTGTACA	GCATCGT
		2580		2600
GAGTCCCTTTATAC	CGCTGTTAC	CAATTTTCTT.	TTGTCTCTGG	GTATACA
2610	2620	2630	2640	2650
TTTAAACCCTAACA		2000		
TTIMACCCIATG		0.1100001111		
2660	2670	. 2680	2690	2700
GCTACATAATTGGA	AGTTGGGGA.	ACTTTGCCAC	AGGATCATATI	TGTACAA
			ř	
2710	2720	2.730	2740	2750
AAGATCAAACACTG	TTTTAGAAA	ACTTCCTGTTA	ACAGGCCTAT	TGATTG
-2760	2770	2780	2790	2800
GAAAGTATGTCAAA				
CAMPOTITIO I CIDILI				
2810	2820	2830	2840	2850
CACAATGTGGATAT	CCTGCCTTA	ATGCCTTTGTA	TGCATGTATA	CAAGCT
	•			
2860	2870	2880	2890	2900
AAACAGGCTTTCAC	TTTCTCGCC	ACTTACAAGG	CCTTTCTAAG	TAAACA
2010	2920	2930	2940	2950
2910 GTACATGAACCTTT				
GIACHIGAACCIIII	3000001100	LLGGCAACGC		

GCTAC	3710 TGTGGAGT <b>T</b> A	3720 CTCTCGTTTT	3730 TGÇCTTCTGA	3740 CTTCTTTCCT	3750 TCCGT
CAGAG	3760 ATCTCCTAGA	•	3780 GCTCTGTATC	3790 GAGAAGCCTT	3800 AGAGT
CTCCT	3810 GAGCATTGCT	3820 CACCTCACCA	3830 FACTGCACTC	3840 AGGCAAGCCA	3850 TTCTC
TGCTG	3860 EGGGGAATTGA	3870 ATGACTCTAGO	3880 CTACCTGGGT	3890 GGGTAATAAT	3900 TTGGA
AGATCO	3910 CAGCATCCAGO		3930 STCAATTATG	3940 ITAATACTAA	3950 CATGG
GTTTAA	3960 AGATCAGGCA		3980 STTTCATATA	3990 CCTTGCCTTAC	4000 ETTTT
GGAAGA	1010	4020 CTTGAATATTI		4040 EGGAGTGTGGA	4050 ATTCG
		4070 AGACCACCAA			

Sequence Range: 1 to 4496

_					
	10	20	30	40	5
GATATCCT	GCCTTAA1	CGCCTTTGTA	TGCATGTATA	CAAGCTAAAC	'AGGC'
		•			
	60	70	80	90	100
TTCACTTT	CTCGCCAA	CTTACAAGG	CCTTTCTAAG	TAAACAGTAC	ATGA
1	10	120	130	140	150
			CCTGGTCTGT		
_	60	170	180	190	200
ACGCAACC	CCCACTGG	CTGGGGCTT	GCCATAGGC	CATCAGCGCA	rgcgi
3.	10	220	230	240	250
			CCATACTGC		
Commedia					
	50	270	280		300
TTGTTTTG	CTCGCAGC	CGGTCTGGAG	CAAAGCTCAI	CGGAACTGAC	TTAAL
2.1		320	330	340	350
31 - CTGTCGTCC			TCGTTTCCAT		
CIGICOIC	·	31 11 11 11 11 11 11 11 11 11 11 11 11 1		00010011100	
36	0	370	380	390	400
ACTGCCAAC	TGGATCCT	TTCGCGGGAC	GTCCTTTGTT	TACGTCCCGT	CGGC
	_				
41	-	420	430 GGGGCCGCTT	440 CCC2CTCTCT	450
GCIGARICC	CGCCGMCC	ACCCCTCGC	GGGGCCGCII	GGGACICICI	CGIC
46	0	470	480	490	500
CCCTTCTCC	GTCTGCCG	TTCCAGCCG	ACCACGGGGC	GCACCTCTCT	TTAC
51	-	520	530	540	550
GCGGTCTCC	CCGTCTGT	GCCTTCTCA.	rctgccggtc(	LGTGTGCACT	rege
56	0	570	580	590	600
			CACCGTGAACC		
61	-	620		640	650
GCCCAAGGT	CTTACATA.	AGAGGACTCI	TGGACTCCC	AGCAATGTCAA	ACGA
	^	670	680	690	700
CCGACCTTG			680 GTGTGTTTA		
CCOACCIIG	MOCCINC	* * O' " TUOUC I	. CICICIIIM		

## Figure 5B

710	720	730		75
CTGGGGGAGGA	AGATTAGGTTAA	AGGTCTTTGT	ATTAGGAGGC	TGTAGGC
	530	800	700	0.07
760		780	790	800 TCCCTA 3 1
TAAATTGGTCT	rgcgcaccagca	CCATGCAACT	IIIICACCIC	IGCCIAA
810	820	830	840	850
	CATGTCCCACT			
Cilitaration				
860	870	880	890	900
GGCTTTGGGGC	ATGGACATTGA	CCCTTATAAA	GAATTTGGAG(	TACTGTO
_				
910	920	930	940	950
GAGTTACTCTC	GTTTTTGCCTT	CTGACTTCTT	CCTTCCGTCA	4GAGATCT
	0.7.0	000	0.00	1000
960	970	980	990	1000
CCTAGACACCG	CCTCAGCTCTGT	AICGAGAAGC	.CITADADICI	CCIGAGC
1010	1020	1030	1040	1050
	CACCATACTGCA			
71110010101				
1060	1070	1080	1090	1100
GAATTGATGAC	TCTAGCTACCTG	GGTGGGTAAT	AATTTGGAAG	ATCCAGC
1110	1120		1140	1150
ATCCAGGGATC:	TAGTAGTCAATT	ATGTTAATAC	TAACATGGGT	TTAAAGA
1160	1170	1180	1190	1200
1160 TCAGGCAACTAT				
ICAGGCAACIA	I I GIGGIII CAI.	AIAICIIOCC	117.0111100	110110110
1210	1220	1230	1240	1250
ACTGTACTTGAA	ATATTTGGTCTC'			CTCCTCC
1260	1270	1280	1290	
AGCCTATAGACC	ACCAAATGCCC	CTATCTTATC	AACACTTCCG	BAAACTA
			90	
1310	1320	1330	1340	1350
CTGTTGTTAGAC	GACGGGACCGA	GCAGGTCCC	CTAGAAGAAGA	ACTCCC
	1270	1200	1200	1400
1360	1370	1380	1390	1400
TCGCCTCGCAGA		4100000010	LGCAGAAGAIC	LICHAIC
. 1410	1420	1430	1440	1450
TCGGGAATCTCA		2 1 5 0		
TCOOOUTICICU				

146	1470	1480	0 149	0 1500
ACGGGGCTT			CTTTAATCCT	GAATGGCAAAC
		,		
1510	1520			
TCCTTCCTT	CCTAAGATTO	CATTTACAAGA	GGACATTAT	TAATAGGTGTC
	,			
1560				
AACAATTTGT	GGGCCCTCTC	CACTGTAAAT	AAAAGAGAA	SATTGAAATTA
1610				
ATTATGCCTC	CTAGATTCTA	TCCTACCCAC	ACTAAATATI	TTGCCCTTAGA
_				
1660				
CAAAGGAATI	AAACCTTATT	ATCCAGATCA	.GGTAGTT <b>AA</b> T	CATTACTTCC
		1.53.0	1740	1750
1710				
AAACCAGACA	TTATTTACAT	ACTCTTTGGA	AGGC 1GG1A1	ICIAIAIAAG
1760	1770	1780	1790	1800 -
	CACGTAGCGC			
AGGGAAACCA	CACGIAGCGC	AICMIIIIOC	0001@10011	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1810	1820	1830	1840	1850
	CAGCATGGGA			CAAAGGCATG
71071101100111				
1860	1870	1880	1890	1900
GGGACGAATC	TTTCTGTTCC	CAACCCTCTG	GGATTCTTTC	CCGATCATCA
1910	1920		. 1940	1950
GTTGGACCCT	GCATTCGGAGG	CAACTCAAA	CAATCCAGAT	TGGGACTTCA
1960	1970		1990	
ACCCCATCAA	GGACCACTGGC	CAGCAGCCA	ACCAGGTAGG	AGTGGGAGCA
	•			
2010	2020	2030	2040	2050
TTCGGGCCAG	GCTCACCCCT	'CCACACGGCG	GTATTTTGGG	GGTGGAGCCC
				0100
2060	2070	2080	2090	
TCAGGCTCAGG	GCATATTGAC	CACAGTGTCA	ACAATTCCTC	CTCCTGCCT
		0.70	2140	2152
2110		2130		2150
CCACCAATCG	GCAGTCAGGAA	GGCAGCCTAC	:1 CCCATCTCT	CCACCTCTA
	0150	07.00	2100	2200
2160		2180	2190	2200
AGAGACAGTC <i>I</i>	TCCTCAGGCC	AIGCAGIGGA	ALICCACIGC	LLIICACCA

2210	2220	2230	2240	225
AGCTCTGCAGGA'	TCCCAGAGTC	AGGGGTCTGT	ATCTTCCTGC:	rggtggc:
2260			2290	
CCAGTTCAGGAA	CAGTAAACCC	rgctccgaat.	ATTGCCTCTCA	ACATCTC
2310			2340	
TCAATCTCCGCG	AGGACTGGGG	ACCCTGTGAC	GAACATGGAGA	IACATCAC
0260	2270	2200	2390	2400
2360 ATCAGGATTCCTA				
ATCAGGATICCIA		Legigiine	-	
2410	2420	2430	2440	2450
TGACAAGAATCCT	CACAATACCG	CAGAGTCTAC	GACTCGTGGTG	GACTTCT
•				
2460	2470	2480	2490	2500
CTCAATTTTCTAC	GGGGATCTCC	CGTGTGTCTT	rggccaaaatt	CGCAGTC
2510	2520	2530	2540	2550
CCCAACCTCCAAT	CACTCACCAA	CCTCCTGTCC	TCCAATTTGT	CCTGGTT
	0575	2500	2500	2600
2560	2570	᠘580 ㅠㅠㅠ» ㅠc» ㅠ» Ⴠ	2590	
ATCGCTGGATGTG	TCIGCGGCGI	IIIAICAIAI	ICCICITCAL	CCIGCIG
2610	2620	2630	2640	2650
CTATGCCTCATCT	TCTTATTGGT	TCTTCTGGAT	TATCAAGGTA	
CATTAGECTATIO				
		2680		2700
CGTTTGTCCTCTA	ATTCCAGGAT	CAACAACAAC	CAGTACGGGA	CCATGCA
2710	2720	2730	2740	2750
AAACCTGCACGAC	TCCTGCTCAAC	GCAACTCTA	TGTTTCCCTC	ATGTTGC
		0700	2700	2800
		2780		
TGTACAAAACCTA	CGGATGGAAA	LIGCACCIGI	ATTCCCATCCC	AICGIC
2810	2820	2830	2840	2850
CTGGGCTTTCGCA				
CIGGGCIIICGCA	MAIACCIAIC	ocnoredec		
2860	2870	2880	2890	2900
GGCTCAGTTTACT				TCCCCC
2910			2940	
ACTGTTTGGCTTT	CAGCTATATGO	ATGATGTGG	TATTGGGGGCC	CAAGTCT

	2960	2970	2980	2990	3000
GTACAC	CATCGTGA	GTCCCTTTAT	ACCGCTGTTA	CCAATTTTCT	TTTGTC
	3010	3020	3030	3040	3050
TCTGGG	TATACATTI	raaaccctaa	CAAAACAAAA	AGATGGGGTT	ATTCCC
	3060	3070	3080	3090	3100
TAAACT	TCATGGGCT	CACATAATTG	SAAGTTGGGG	AACTTTGCCA	CAGGAT
	•				
. "	3110	3120	3130	3140	3150
CATATT	GTACAAAAG	ATCAAACACI	GTTTTAGAA	AACTTCCTGT	FAACAG
_					
	3160	3170 .	3180	3190	3200 -
GCCTAT'	TGATTGGAA	AGTATGTCAA	AGAATTGTG	GCTCTTTTGG	3CTTTG
	3210	3220	3230	3240	3250
CTGCTC	CATTTACAC	AATGTGGATA	TCCTGCCTTA	ATGCCTTTGT	ATGCA
_		2000	2000	2000	2200
	3260	3270	3280	3290	3300
TGTATAC	LAAGCTAAA	CAGGCTTTCA	CTTTCTCGCC	CAACTTACAAG	IGCCTT
-	3310	3320	3330	3340	3350
				CTCGGCAACG	
ICIAAGI	AAACAGTA	CAIGAACCII	IACCCCGIIC	CICGGCAACG	GCCIG
2	360	3370	3380	3390	3400
_	-			GGCTGGGGCT	
GICIGIC					
3	410	3420	3430	3440	3450
_		ATGCGTGGAAG	CTTTGTGGC	TCCTCTGCCG	ATCCA
- 3	460	3470	3480	3490	3500
TACTGCG	GAACTCCTA	AGCCGCTTGTT	TTGCTCGCA	GCCGGTCTGG	AGCAA
3	510	3520	3530	3540	3550
AGCTCAT	CGGAACTGA	CAATTCTGTC	GTCCTCTCG	CGGAAATATA	CATCG
3	560	3570	3580	3590	3600
TTTCCAT	GGCTGCTAG	GCTGTACTGC	CAACTGGAT	CCTTCGCGGG	ACGTC
3	610	3620	3630	3640	3650
CTTTGTT	TACGTCCCG	TCGGCGCTGA	ATCCCGCGG/	ACGACCCCTC	GCGGG
3	660	3670	3680	3690	3700
GCCGCTT	GGGACTCTC	TCGTCCCCTT	CTCCGTCTG	CCGTTCCAGC	GACC

## Figure 5B continued

 $\exists$ 

3710	3720	3730	3740	3750
ACGGGGCGCA	CCTCTCTTTACG	CGGTCTCCC	CGTCTGTGCCTT	CTCATCT
				1
3760	3770	3780	3790	3800
GCCGGTCCGT	GTGCACTTCGCTT	CACCTCTGC	CACGTTGCATGG	AGACCAC
		- *		
3810	3820		3840	3850
CGTGAACGCC	CATCAGATCCTGC	CCAAGGTCT	TACATAAGAGG	ACTCTTG
2050	2070	2000	2000	2000
3860	3870	3880	3890	3900
GACICCCAGCA	AATGTCAACGACC	GACCIIGAG	GCC1AC11CAA.	AGACIGI
3910	3920	3930	3940	3950
	CTGGGAGGAGCT			
		00000.10011		.001011
3960	3970	3980	3990	4000
TGTATTAGGAG	GCTGTAGGCATA			CATGCA
4010	4020	4030	4040	4050
ACTTTTTCACC	TCTGCCTAATCA:	rctcttgtac	CATGTCCCACTC	TTCAAG
		•		
4060	4070	4080	4090	4100
CCTCCAAGCTG'	IGCCTIGGGIGG	CTTTGGGGCA	TGGACATTGAC	CCTTAT
4110	4120	4120	47.40	4150
	4120 AGCTACTGTGGAC	4130	4140	4150
AAAOAAIIIOG	AGCIACIGIGGAC	FIRCICICO	11111000110	IGACII
4160	4170	4180	4190	4200
CTTTCCTTCCG	CAGAGATCTCCT			
4210	4220	4230	4240	4250
AAGCCTTAGAGT	CTCCTGAGCATT	GCTCACCTC.	ACCATACTGCA	CTCAGG
4260	4270	4280	4290	4300
CAAGCCATTCTC	TGCTGGGGGGAA	TTGATGACT	CTAGCTACCTG	GTGGG
4310	4320	4330		4350
TAATAATTTGGA	AGATCCAGCATC	CAGGGATCTA	AGTAGTCAATTA	ITGTTA
4260	43.70	4200	1000	
4360	4370	4380	4390	4400
AIACIAACAIGG	GTTTAAAGATCA	3GCAACTAT	IGIGGIIICAIA	HAICI
4410	4420	4430	4440	4450
	4420 GGAAGAGAGACTO			4450
IOCCIIMCIIII	1 JADADADADA	JINCIIGAAI	.ALLIGGICICI	11000
4460	4470	4480	4490	
AGTGTGGATTCG	CACTCCTCCAGC	CTATAGACC		CT

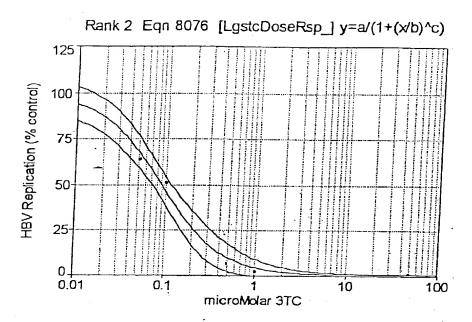


Figure 6A

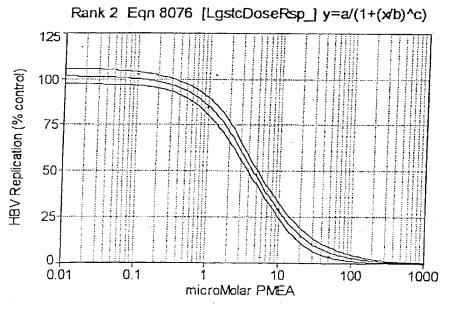


Figure 6B

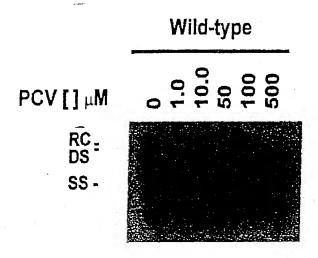
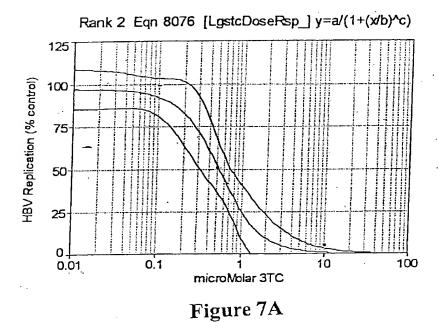


Figure 6C



Rank 2 Eqn 8076 [LgstcDoseRsp\_] y=a/(1+(x/b)^c)

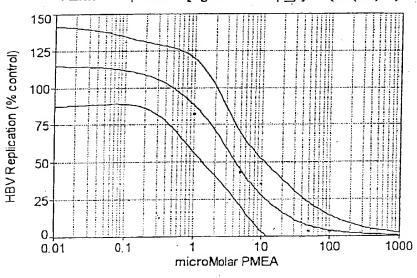


Figure 7B

Rank 45 Eqn 19 y=a+blnx/x^2

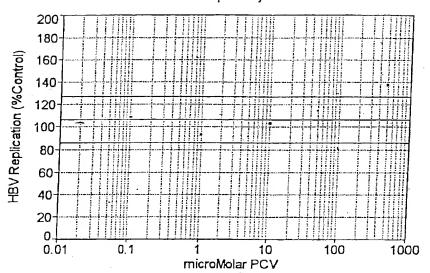


Figure 7C

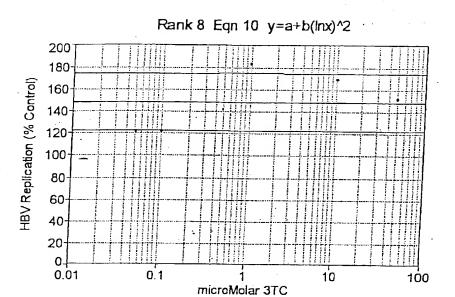


Figure 8A

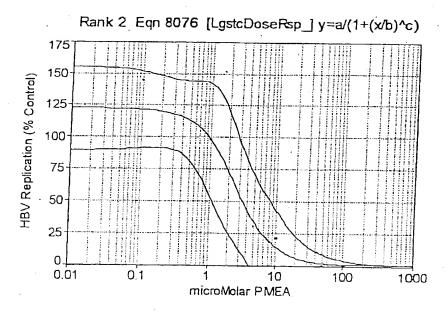


Figure 8B

Rank 34 Eqn 10 y=a+b(lnx)^2

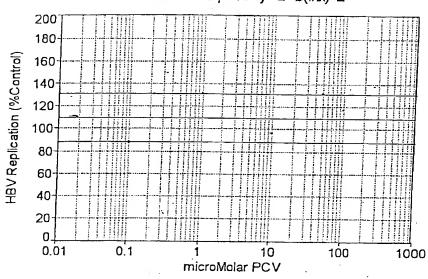


Figure 8C

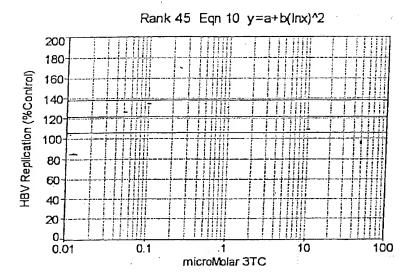


Figure 9A

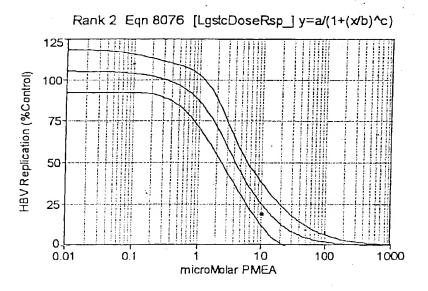


Figure 9B

180

HBV Replication (%Control)

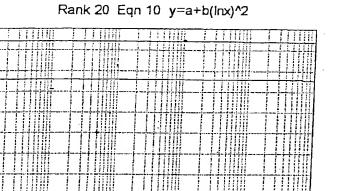


Figure 9C

1 10 microMolar PCV

100

1000

0.1

1

### Cold dCTP Competition

Rank 2 Eqn 8076 [LgstcDoseRsp\_] y=a/(1+(x/b)^c)

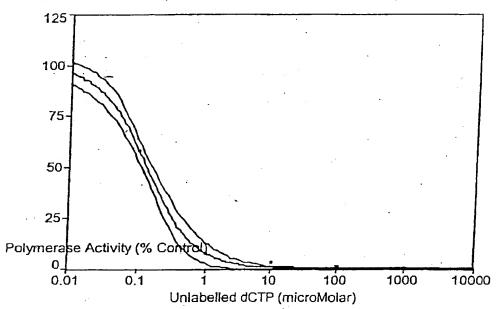


Figure 10

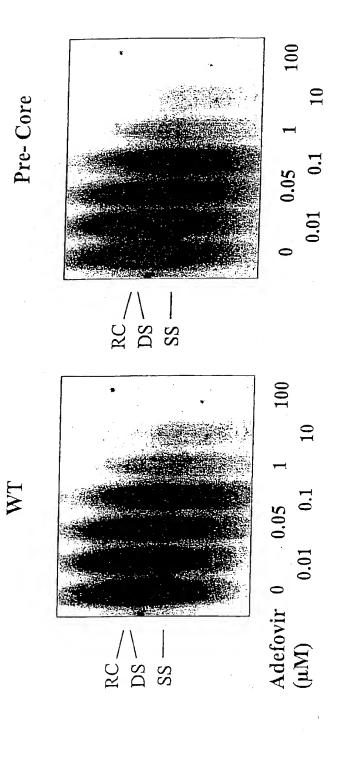


Figure 11A

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7

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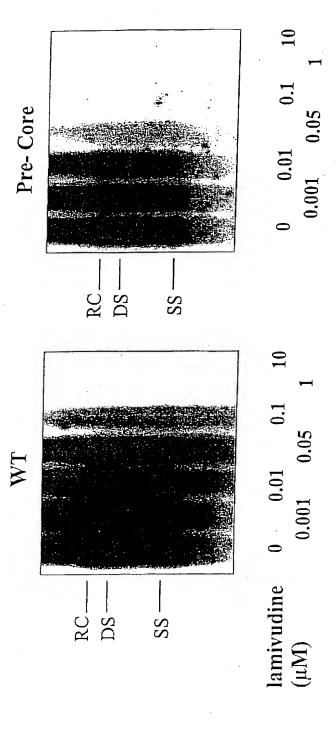


Figure 11B

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1 4 1

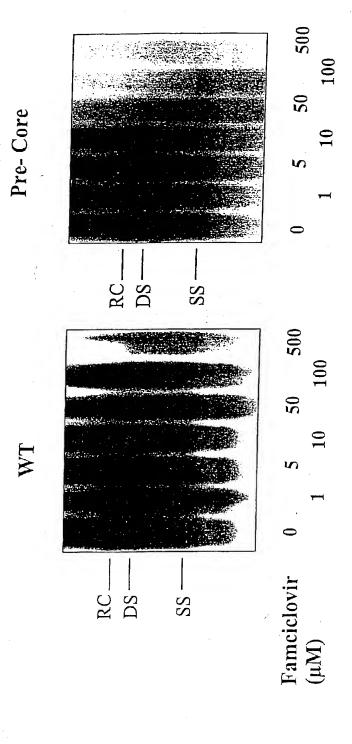
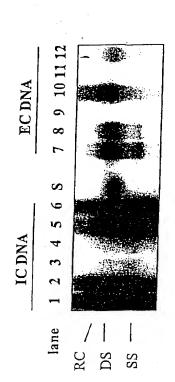


Figure 11C

H H

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- Standard

- Wild type (HBV x 1.3)

- pre-core

Lane 2 & 8

Lane 1 & 7

Lane 3 & 9

- M550I

- L526M/M550V

- pre-core/M550I

Lane 5 & 10

Lane 4 & 11

Lane 6 & 12

- pre-core/L526M/M550V

Figure 12

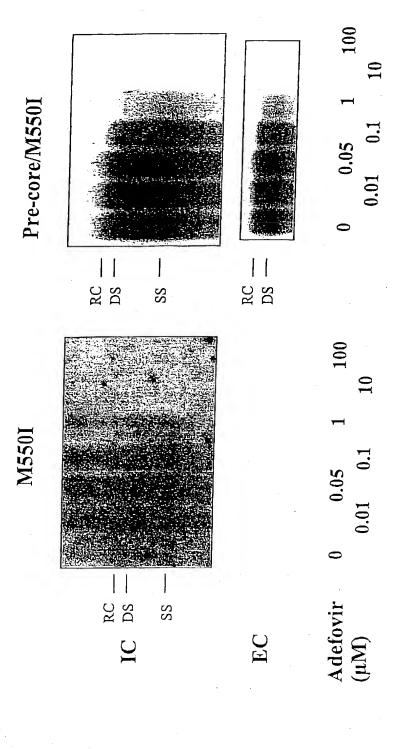


Figure 13A

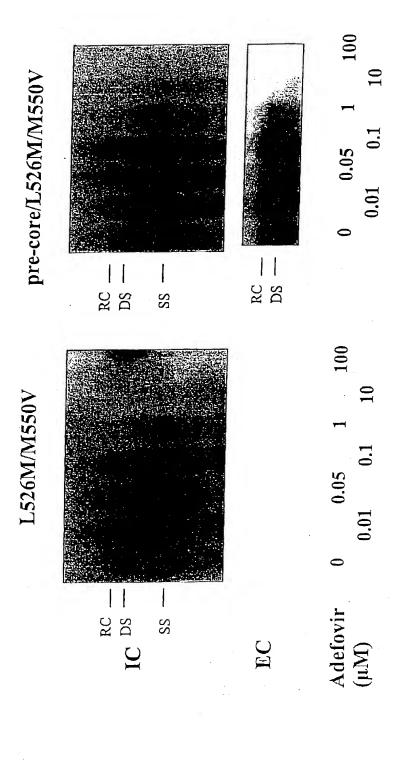


Figure 13B

: :

TOTAL STREET

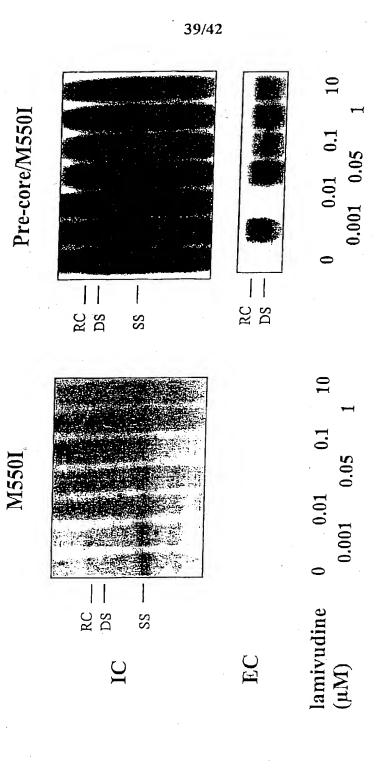


Figure 13C

: L. : ....



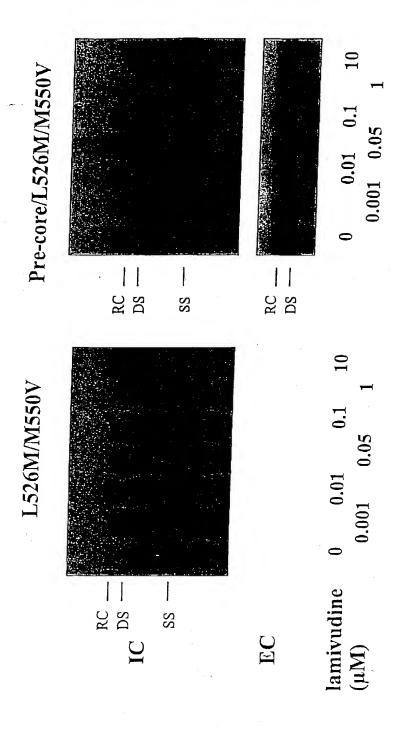


Figure 13D

Figure 13E

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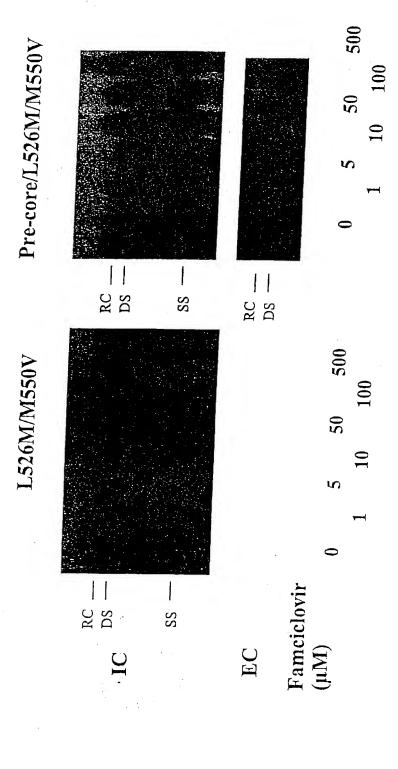


Figure 13F